

PCT
HS

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/806,080

DATE: 04/04/2001
TIME: 11:20:05

Input Set : A:\S0109991.app
Output Set: N:\CRF3\04042001\I806080.raw

w--> 1 ~~SEQUENZPROTOKOLL~~ → Delete from beginning of file.

3 <110> APPLICANT: Jomaa, Hassan
 5 <120> TITLE OF INVENTION: Gene des 1-Desoxy-D-xylulose-Biosynthesewegs
 7 <130> FILE REFERENCE: 15696
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/806,080
 C--> 10 <141> CURRENT FILING DATE: 2001-03-22
 12 <150> PRIOR APPLICATION NUMBER: DE19923567.8
 13 <151> PRIOR FILING DATE: 1999-05-22
 15 <150> PRIOR APPLICATION NUMBER: DE19843279.8
 16 <151> PRIOR FILING DATE: 1998-09-22
 D 18 <160> NUMBER OF SEQ ID NOS: 6
 D 20 <170> SOFTWARE: PatentIn Ver. 2.1

*Does Not Comply
Corrected Diskette Needed
See p. 4*

ERRONEOUS SEQUENCES

597 <210> SEQ ID NO: 4
 598 <211> LENGTH: 1205
 D 599 <212> TYPE: PRT
 = 600 <213> ORGANISM: Plasmodium falciparum
 D 602 <400> SEQUENCE: 4
 D 603 Met Ile Phe Asn Tyr Val Phe Phe Lys Asn Phe Val Pro Val Val Leu
 D 604 1 5 10 15
 D 606 Tyr Ile Leu Leu Ile Ile Tyr Ile Asn Leu Asn Gly Met Asn Asn Lys
 D 607 20 25 30
 D 609 Asn Gln Ile Lys Thr Glu Lys Ile Tyr Ile Lys Lys Leu Asn Arg Leu
 D 610 35 40 45
 D 612 Ser Arg Lys Asn Ser Leu Cys Ser Ser Lys Asn Lys Ile Ala Cys Leu
 D 613 50 55 60
 D 615 Phe Asp Ile Gly Asn Asp Asp Asn Arg Asn Thr Thr Tyr Gly Tyr Asn
 D 616 65 70 75 80
 D 618 Val Asn Val Lys Asn Asp Asp Ile Asn Ser Leu Leu Lys Asn Asn Tyr
 D 619 85 90 95
 D 621 Ser Asn Lys Leu Tyr Met Asp Lys Arg Lys Asn Ile Asn Asn Val Ile
 D 622 100 105 110
 D 624 Ser Thr Asn Lys Ile Ser Gly Ser Ile Ser Asn Ile Cys Ser Arg Asn
 D 625 115 120 125
 D 627 Gln Lys Glu Asn Glu Gln Lys Arg Asn Lys Gln Arg Cys Leu Thr Gln
 D 628 130 135 140
 D 630 Cys His Thr Tyr Asn Met Ser His Glu Gln Asp Lys Leu Ala Asn Asp
 D 631 145 150 155 160
 D 633 Asn Asn Arg Asn Asn Lys Lys Asn Phe Asn Leu Leu Phe Ile Asn Tyr
 D 634 165 170 175
 D 636 Phe Asn Leu Lys Arg Met Lys Asn Ser Leu Leu Asn Lys Asp Asn Phe
 D 637 180 185 190
 D 639 Phe Tyr Cys Lys Glu Lys Lys Leu Ser Phe Leu His Lys Ala Tyr Lys
 D 640 195 200 205

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642 Lys Lys Asn Cys Thr Phe Gln Asn Tyr Ser Leu Lys Arg Lys Ser Asn
 643 210 215 220
 645 Arg Asp Ser His Lys Leu Phe Ser Gly Glu Phe Asp Asp Tyr Thr Asn
 646 225 230 235 240
 648 Asn Asn Ala Leu Tyr Glu Ser Glu Lys Lys Glu Tyr Ile Thr Leu Asn
 649 245 250 255
 651 Asn Asn Asn Lys Asn Asn Asn Lys Asn Asn Asp Asn Lys Asn Asn
 652 260 265 270
 654 Asp Asn Asn Asp Tyr Asn Asn Asn Ser Cys Asn Asn Leu Gly Glu
 655 275 280 285
 657 Arg Ser Asn His Tyr Asp Asn Tyr Gly Gly Asp Asn Asn Asn Pro Cys
 658 290 295 300
 660 Asn Asn Asn Asn Asp Lys Tyr Asp Ile Gly Lys Tyr Phe Lys Gln Ile
 661 305 310 315 320
 663 Asn Thr Phe Ile Asn Ile Asp Glu Tyr Lys Thr Ile Tyr Gly Asp Glu
 664 325 330 335
 666 Ile Tyr Lys Glu Ile Tyr Glu Leu Tyr Val Glu Arg Asn Ile Pro Glu
 667 340 345 350
 669 Tyr Tyr Glu Arg Lys Tyr Phe Ser Glu Asp Ile Lys Lys Ser Val Leu
 670 355 360 365
 672 Phe Asp Ile Asp Lys Tyr Asn Asp Val Glu Phe Glu Lys Ala Ile Lys
 673 370 375 380
 675 Glu Glu Phe Ile Asn Asn Gly Val Tyr Ile Asn Asn Ile Asp Asn Thr
 676 385 390 395 400
 678 Tyr Tyr Lys Lys Glu Asn Ile Leu Ile Met Lys Lys Ile Leu His Tyr
 679 405 410 415
 681 Phe Pro Leu Leu Lys Leu Ile Asn Asn Pro Ser Asp Leu Lys Lys Leu
 682 420 425 430
 684 Lys Lys Gln Tyr Leu Pro Leu Leu Ala His Glu Leu Lys Ile Phe Leu
 685 435 440 445
 687 Phe Phe Ile Val Asn Ile Thr Gly Gly His Phe Ser Ser Val Leu Ser
 688 450 455 460
 690 Ser Leu Glu Ile Gln Leu Leu Leu Tyr Ile Phe Asn Gln Pro Tyr
 691 465 470 475 480
 693 Asp Asn Val Ile Tyr Asp Ile Gly His Gln Ala Tyr Val His Lys Ile
 694 485 490 495
 696 Leu Thr Gly Arg Lys Leu Leu Phe Leu Ser Leu Arg Asn Lys Lys Gly
 697 500 505 510
 699 Ile Ser Gly Phe Leu Asn Ile Phe Glu Ser Ile Tyr Asp Lys Phe Gly
 700 515 520 525
 702 Ala Gly His Ser Ser Thr Ser Leu Ser Ala Ile Gln Gly Tyr Tyr Glu
 703 530 535 540
 705 Ala Glu Trp Gln Val Lys Asn Lys Glu Lys Tyr Gly Asn Gly Asp Ile
 706 545 550 555 560
 708 Glu Ile Ser Asp Asn Ala Asn Val Thr Asn Asn Glu Arg Ile Phe Gln
 709 565 570 575
 711 Lys Gly Ile His Asn Asp Asn Asn Ile Asn Asn Asn Ile Asn Asn Asn
 712 580 585 590
 714 Asn Tyr Ile Asn Pro Ser Asp Val Val Gly Arg Glu Asn Thr Asn Val

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715	595	600	605
717	Pro Asn Val Arg Asn Asp Asn His Asn Val Asp Lys Val His Ile Ala		
718	610	615	620
720	Ile Ile Gly Asp Gly Gly Leu Thr Gly Gly Met Ala Leu Glu Ala Leu		
721	625	630	635
723	Asn Tyr Ile Ser Phe Leu Asn Ser Lys Ile Leu Ile Ile Tyr Asn Asp		640
724	645	650	655
726	Asn Gly Gln Val Ser Leu Pro Thr Asn Ala Val Ser Ile Ser Gly Asn		
727	660	665	670
729	Arg Pro Ile Gly Ser Ile Ser Asp His Leu His Tyr Phe Val Ser Asn		
730	675	680	685
732	Ile Glu Ala Asn Ala Gly Asp Asn Lys Leu Ser Lys Asn Ala Lys Glu		
733	690	695	700
735	Asn Asn Ile Phe Glu Asn Leu Asn Tyr Asp Tyr Ile Gly Val Val Asn		
736	705	710	715
738	Gly Asn Asn Thr Glu Glu Leu Phe Lys Val Leu Asn Asn Ile Lys Glu		720
739	725	730	735
741	Asn Lys Leu Lys Arg Ala Thr Val Leu His Val Arg Thr Lys Lys Ser		
742	740	745	750
744	Asn Asp Phe Ile Asn Ser Lys Ser Pro Ile Ser Ile Leu His Ser Ile		
745	755	760	765
747	Lys Lys Asn Glu Ile Phe Pro Phe Asp Thr Thr Ile Leu Asn Gly Asn		
748	770	775	780
750	Ile His Lys Glu Asn Lys Ile Glu Glu Glu Lys Asn Val Ser Ser Ser		
751	785	790	795
753	800	805	810
754	Thr Lys Tyr Asp Val Asn Asn Lys Asn Asn Lys Asn Asn Asp Asn Ser		815
756	Glu Ile Ile Lys Tyr Glu Asp Met Phe Ser Lys Glu Thr Phe Thr Asp		
757	820	825	830
759	Ile Tyr Thr Asn Glu Met Leu Lys Tyr Leu Lys Lys Asp Arg Asn Ile		
760	835	840	845
762	Ile Phe Leu Ser Pro Ala Met Leu Gly Gly Ser Gly Leu Val Lys Ile		
763	850	855	860
765	Ser Glu Arg Tyr Pro Asn Asn Val Tyr Asp Val Gly Ile Ala Glu Gln		
766	865	870	875
768	880	885	890
769	His Ser Val Thr Phe Ala Ala Ala Met Ala Met Asn Lys Lys Leu Lys		895
771	900	905	910
772	Ile Gln Leu Cys Ile Tyr Ser Thr Phe Leu Gln Arg Ala Tyr Asp Gln		
774	915	920	925
777	Ile Ile His Asp Leu Asn Leu Gln Asn Ile Pro Leu Lys Val Ile Ile		
778	930	935	940
780	Gly Arg Ser Gly Leu Val Gly Glu Asp Gly Ala Thr His Gln Gly Ile		
781	945	950	955
783	Tyr Asp Leu Ser Tyr Leu Gly Thr Leu Asn Asn Ala Tyr Ile Ile Ser		960
784	965	970	975
786	Pro Ser Asn Gln Val Asp Leu Lys Arg Ala Leu Arg Phe Ala Tyr Leu		
787	980	985	990

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789	Ser	Asp	Lys	Tyr	Met	Lys	Gly	Tyr	Leu	Asn	Ile	His	Met	Lys	Asn	Glu
790			995				1000						1005			
792	Ser	Lys	Asn	Ile	Asp	Val	Asn	Val	Asp	Ile	Asn	Asp	Asp	Val	Asp	Lys
793			1010				1015						1020			
E-->	Tyr	Ser	Glu	Glu	Tyr	Met	Asp	Asp	Asp	Asn	Phe	Ile	Lys	Ser	Phe	Ile
	796	025			1030			1035					1040			
798	Gly	Lys	Ser	Arg	Ile	Ile	Lys	Met	Asp	Asn	Glu	Asn	Asn	Asn	Thr	Asn
799					1045			1050					1055			
801	Glu	His	Tyr	Ser	Ser	Arg	Gly	Asp	Thr	Gln	Thr	Lys	Lys	Lys	Val	
802					1060			1065					1070			
804	Cys	Ile	Phe	Asn	Met	Gly	Ser	Met	Leu	Phe	Asn	Val	Ile	Asn	Ala	Ile
805					1075			1080					1085			
807	Lys	Glu	Ile	Glu	Lys	Glu	Gln	Tyr	Ile	Ser	His	Asn	Tyr	Ser	Phe	Ser
808			1090			1095						1100				
E-->	Ile	Val	Asp	Met	Ile	Phe	Leu	Asn	Pro	Leu	Asp	Lys	Asn	Met	Ile	Asp
	811	105			1110			1115					1120			
813	His	Val	Ile	Lys	Gln	Asn	Lys	His	Gln	Tyr	Leu	Ile	Thr	Tyr	Glu	Asp
814				1125			1130						1135			
816	Asn	Thr	Ile	Gly	Gly	Phe	Ser	Thr	His	Phe	Asn	Asn	Tyr	Leu	Ile	Glu
817				1140			1145					1150				
819	Asn	Asn	Tyr	Ile	Thr	Lys	His	Asn	Leu	Tyr	Val	His	Asn	Ile	Tyr	Leu
820				1155			1160					1165				
822	Ser	Asn	Glu	Pro	Ile	Glu	His	Ala	Ser	Phe	Lys	Asp	Gln	Gln	Glu	Val
823			1170			1175						1180				
E-->	Val	Lys	Met	Asp	Lys	Cys	Ser	Leu	Val	Asn	Arg	Ile	Lys	Asn	Tyr	Leu
	826	185			1190			1195					1200			
828	Lys	Asn	Asn	Pro	Thr											
829				1205												

Invalid amino acid numbers.

Move numbers circled one space
to the right as shown below.

Tyr
1 0 2 5

Ile
1 1 0 5

Val
1 1 8 5

VERIFICATION SUMMARY

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Input Set : A:\S0109991.app

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L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:796 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4

M:332. Repeated in SeqNo=4

RECORDED - REC'D BY